ABSTRACT OF THE DISCLOSURE

A solid-state image pickup apparatus including an array of a plurality of unit cells each including a plurality of photoelectric conversion elements for converting an photosignal to signal charge and storing it and one amplification element for receiving signal charge of each of the conversion elements and outputting a signal corresponding thereto, includes a readout circuit system connected to an output line of the amplification element, inputting thereto a signal output from the unit cell via the output line. The readout circuit system includes a difference unit for inputting thereto a first signal corresponding to a reset level of an input portion of the amplification element, a second signal corresponding to the first signal to which a signal corresponding to signal charge in at least one of the plurality of photoelectric conversion elements is added, and a third signal corresponding to the second signal to which a signal corresponding to signal charge in at least one of the plurality of photoelectric conversion elements is added, operating a difference with respect to a plurality of combinations of any two of the three signals.